

§ 1340.1

23 CFR Ch. III (4–1–14 Edition)

Subpart C—Administrative Requirements

1340.10 Submission and approval of seat belt survey design.

1340.11 Post-approval alterations to survey design.

1340.12 Re-selection of observation sites.

1340.13 Annual reporting requirements.

APPENDIX A TO PART 1340—STATE SEAT BELT USE SURVEY REPORTING FORM

AUTHORITY: 23 U.S.C. 402; delegation of authority at 49 CFR 1.50.

SOURCE: 76 FR 18056, Apr. 1, 2011, unless otherwise noted.

Subpart A—General

§ 1340.1 Purpose.

This part establishes uniform criteria for State surveys of seat belt use conducted under 23 U.S.C. 402, procedures for NHTSA approval of survey designs, and administrative requirements relating to State seat belt surveys.

§ 1340.2 Applicability.

This part applies to State surveys of seat belt use beginning in calendar year 2013 and continuing annually thereafter. However, a State may elect to conduct its calendar year 2012 seat belt use survey using a survey design approved under this part.

[77 FR 20551, Apr. 5, 2012]

§ 1340.3 Definitions.

As used in this part—

Access ramp means the segment of a road that forms a cloverleaf or limited access interchange.

Cul-de-sac means the closed end of a road that forms a loop or turn-around.

Non-public road means a road on which members of the general public are not allowed to drive motor vehicles.

Nonresponse rate means, for any survey variable, the percentage of unknown values recorded for that variable.

Observation site means the physical location where survey data are collected.

Passenger motor vehicle means a motor vehicle with a gross vehicle weight rating of less than 10,000 pounds, including a passenger car, pickup truck, van, minivan or sport utility vehicle.

Service drive means the segment of a road that provides access to businesses and rest areas.

Traffic circle means the segment of a road or intersection of roads forming a roundabout.

Unnamed road means a road, public or private, that has no name or number designation and is often a farm or logging road.

Vehicular trail means a road designed or intended primarily for use by motor vehicles with four-wheel drive.

Subpart B—Survey Design Requirements

§ 1340.4 In general.

This subpart sets forth the minimum design requirements to be incorporated in surveys conducted under this part.

§ 1340.5 Selection of observation sites.

(a) *Sampling frame requirements*—(1) *County coverage.* The sampling frame from which observation sites are selected shall include counties or county-equivalents (including tribal territories), as defined by the U.S. Census Bureau, that account for at least 85 percent of the State's passenger vehicle occupant fatalities, provided that the average of the last three, four or five years, at the State's option, of available Fatality Analysis Reporting System (FARS) data or State fatality data approved by NHTSA shall be used to determine the State's passenger vehicle occupant fatalities.

(2) *Road coverage.* (i) States shall select observation sites from a database of road inventories approved by NHTSA or provided by NHTSA.

(ii) Except as provided in paragraph (a)(2)(iii) of this section, all roads in the State shall be eligible for sampling. The sampling frame may not be limited only to roads having a stop sign, stop light or State-maintained roads.

(iii) The sampling frame need not include: rural local roads, as classified by the Federal Highway Administration's Functional Classification Guidelines, in counties that are not within a Metropolitan Statistical Area (MSA), as published by the Office of Management and Budget; non-public roads; unnamed roads; unpaved roads; vehicular trails;

access ramps; cul-de-sacs; traffic circles; or service drives.

(b) *Sampling selection requirements.* The set of road segments selected for observation sites shall be chosen based on probability sampling, except that—

(1) The specific observation site locations on the sampled road segments may be deterministically selected;

(2) An alternate observation site may be used to replace an observation site selected based on probability sampling if it is located in the same county or county-equivalent, and has the same roadway classification (e.g., local road segment, collector road segment) when using the protocol of substitution and rescheduling of observation sites pursuant to paragraph (c) of this section.

(c) *Requirements for substitution and rescheduling of observation sites.* The survey design shall include at a minimum the following protocols:

(1) *Protocol when observation site is temporarily unavailable for data collection.* (i) Observers shall return to the observation site at another time provided that it is on the same day of the week and at same time of the day or select an alternate observation site, as described in paragraph (b)(2) of this section, provided the data are collected on the same day and at approximately the same time as the originally-scheduled observation site.

(ii) The original observation site must be used for future data collections.

(2) *Protocol when observation site is permanently unavailable for data collection.* (i) Except as provided in paragraph (c)(2)(ii), another observation site shall be selected in accordance with paragraph (b) of this section.

(ii) If it is not feasible to select another observation site based on probability sampling for the current data collection, an alternate observation site, as described in paragraph (b)(2) of this section, may be selected, provided the data is collected on the same day and at approximately the same time as the originally-scheduled observation site.

(iii) For future data collections, another observation site must be selected based on probability sampling in accordance with paragraph (b) of this section.

(d) *Precision requirement.* The estimated seat belt use rate must have a standard error of no more than 2.5 percentage points.

§ 1340.6 Assignment of observation times.

(a) *Daylight hours.* All daylight hours between 7 a.m. and 6 p.m. for all days of the week shall be eligible for inclusion in the sample.

(b) *Random assignment.* Except as provided in paragraph (c) of this section, the day-of the week and time-of-the-day shall be randomly assigned to observation sites.

(c) *Grouping of observation sites in close geographic proximity.* Observations sites in close geographic proximity may be grouped to reduce data collection burdens if:

(1) The first assignment of an observation site within the group is randomly selected; and

(2) The assignment of other observations sites within the group is made in a manner that promotes administrative efficiency and timely completion of the survey.

§ 1340.7 Observation procedures.

(a) *Data collection dates.* All survey data shall be collected through direct observation completely within the calendar year for which the Statewide seat belt use rate will be reported. Except as provided in § 1340.5(c), the survey shall be conducted in accordance to the schedule determined in § 1340.6.

(b) *Roadway and direction(s) of observation—*(1) *Intersections.* If an observation site is located at an intersection of road segments, the data shall be collected from the sampled road segment, not the intersecting road segment(s).

(2) *Roads with two-way traffic.* If an observation site is located on a road with traffic traveling in two directions, one or both directions of traffic may be observed, provided that—

(i) If only one direction of traffic is observed, that direction shall be chosen randomly;

(ii) If both directions of traffic are observed at the same time, States shall assign at least one person to observe each direction of traffic.

(c) *Vehicle coverage.* Data shall be collected by direct observation from all